

The City of Traverse City

Office of the City Manager

GOVERNMENTAL CENTER
400 Boardman Avenue
Traverse City, MI 49684
(231) 922-4440
(231) 922-4476 Fax



November 17, 2014

Bidder:

The City of Traverse City will receive sealed bids in the Office of the City Manager, Second floor, Governmental Center, 400 Boardman Avenue, Traverse City, Michigan, 49684, until **Thursday, December 4, 2014, at 10:00 a.m.** for the following:

**MISCELLANEOUS EQUIPMENT TO BE INSTALLED
ON TWO TRUCKS FOR THE DPS/GARAGE**
(specifications attached)

If the specifications are obtained from the City's new updated website link at: http://www.traversecitymi.gov/bids_and_rfps.asp, it is the sole responsibility of the Bidder to check the website for updates and addenda prior to the bid being submitted. Bidder may also sign up to receive notifications when bids and RFPs are posted by sending an e-mail requesting same to jdalton@traversecitymi.gov

The City of Traverse City reserves the right to accept or reject any or all bids, waive irregularities, and to accept the bids either on an entire or individual basis that is in the best interest of the City.

The City accepts no responsibility for any expense incurred by the Bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the Bidder.

Only the successful Bidder will be notified. If you so desire, you may call for results.

You must indicate on the outside of the sealed envelope that the bid is for the **"Truck Equipment #70 & #82."**

You must submit **TWO (2) SEALED COPIES** of the bid to the City Manager's Office prior to the above-indicated time and date or the bid will not be accepted. Telefaxed or E-Mail bids will not be accepted.

Please note that if you have previously submitted an informal quote, you will still need to submit a sealed bid prior to the date and time specified above in order to be considered. Please ensure that all requirements listed in the specifications are met.

If you have any questions, please contact Mr. Dave Courtad, Garage Superintendent, at (231) 922-4900, ext. 111 before the bid is submitted.

PLEASE SUBMIT BID TO:

Julie Dalton, Purchasing Agent
City Manager's Office, Governmental Center
Second Floor, 400 Boardman Avenue
Traverse City, MI 49684

SPECIFICATIONS

SUPPLY AND INSTALL VARIOUS SPECIFIED EQUIPMENT ON FIVE CITY OF TRAVERSE CITY CAB AND CHASSIS

MINIMUM REQUIREMENTS: The attached detailed specification shall be construed as minimum. Should manufacturer's current published data or specifications exceed these, such standards shall be considered minimum and furnished. All integral parts not specifically mentioned in the scope of these specifications which are necessary to provide a complete working unit shall be furnished.

SILENCE OF SPECIFICATIONS: The apparent silence of this specification and any supplemental specification as to any details or the omission from it of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only material of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of this specification shall be made upon the basis of this statement.

COMPLIANCE: Bidder must complete and return the enclosed bid forms, including bid sheet. Enter "COMPLY" in the "BIDDER PROPOSES TO FURNISH" column if your equipment meets or exceeds the requested specification. If your equipment does not comply with the requested specification then enter "EXCEPTION" or other information which may pertain. If the item is equivalent then please indicate that fact. All exceptions must be fully explained in the "bidder proposes to furnish" column or on another sheet of paper. If nothing is written in the column then the City will assume that the bidder will precisely and exactly meet the specifications requested.

THE CITY OF TRAVERSE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS, WAIVE IRREGULARITIES, AND TO ACCEPT THE BIDS EITHER ON AN ENTIRE OR INDIVIDUAL BASIS THAT ARE IN THE BEST INTEREST OF THE CITY OF TRAVERSE CITY.

IN ANY CIRCUMSTANCE DURING OR PRIOR TO DELIVERY OF THE VEHICLE/ EQUIPMENT, WHEREUPON THE CITY OF TRAVERSE CITY (CUSTOMER) BECOMES ELIGIBLE TO RECEIVE A REBATE FOR ANY VEHICLE PURCHASED UNDER THIS BID, IT SHALL BE THE SUCCESSFUL BIDDERS RESPONSIBILITY TO INFORM DAVE COURTAD, SUPT., DIV. OF MOTOR EQUIPMENT, OF ITS QUALIFICATION FOR SUCH REBATE AND TO ADVISE THE PROCEDURES FOR OBTAINING SUCH REBATES.

It is the intent of these specifications to describe dump boxes, utility boxes, a chip box, plows and miscellaneous equipment, per the following specifications to equip five cab and chassis. There are numerous makes and models of equipment available that will meet or closely meet these criteria. If the specifications requested do not exactly coincide with your equipment you may take exception and bid your equipment. All exceptions must be noted and fully explained on a separate sheet of paper.

If you have any questions, or are unclear as to what we are requesting, please contact Dave Courtad at 231-922-4900 ext. 111. Please ask questions or request clarifications before submitting your bid.

DESCRIPTIONS OF CAB AND CHASSIS'S TO BE EQUIPPED:

TRUCK # 1, DPS equip # 70

2015 FORD F550 4X4, 6.8L V-10 ENGINE, DUAL REAR WHEELS, WHEEL BASE = 141", CAB TO AXLE = 60", 19000# GVWR, AUTO. TRANSMISSION, MID-SHIP FUEL TANK, FACTORY INSTALLED BACK-UP ALARM, FACTORY INSTALLED UPFITTER SWITCHES, FACTORY INSTALLED TRAILER BRAKE CONTROLLER.

This truck will be equipped with a 9' fiberglass utility box and misc. equipment.

TRUCK # 2, DPS equip # 82

2015 FORD F350 4X4, 6.7L DIESEL ENGINE, SINGLE REAR WHEELS, WHEEL BASE =141" CAB TO AXLE = 60", 11100# GVWR, AUTO. TRANSMISSION, MID-SHIP FUEL TANK, FACTORY INSTALLED BACK UP ALARM, FACTORY INSTALLED UPFITTER SWITCHES, FACTORY INSTALLED TRAILER BRAKE CONTROLLER.

This truck will be equipped with a 9' fiberglass utility box and misc. equipment.

Truck #1 DPS equip #70

**SPECIFICATION: SUPPLY 9' FIBERGLASS UTILITY BODY AND MISC. EQUIPMENT AND INSTALL ON OUR 2015 FORD F550 CAB AND CHASSIS. IT HAS:
4X4, 6.8 L EFI V10 ENGINE, DUAL REAR WHEEL
141" WHEEL BASE, 60" CAB TO AXLE.
AUTO TRANS., MID-SHIP FUEL TANK.
FACTORY INSTALLED BACK UP ALARM
FACTORY INSTALLED UPFITTER SWITCHES.
FACTORY INSTALLED TRAILER BRAKE CONTROLLER.**

BIDDER PROPOSES
TO FURNISH

BRANDFX BFX60LS, or equal fiberglass utility body and misc. equipment designed to fit a 2015 Ford F550 Super Duty.

Make and Model of fiberglass body bid: Brand FX 60DLS

Body shall be solid, structurally reinforced type, fiberglass throughout modules with no critical stress areas that can result in cracks or leakage utilizing fiberglass.

All fiberglass skins shall be consistently 3/16" (.1875) thick. Glass/resin ratio should be approx. 30/70. No resin fillers shall be used.

Top, front, and rear bottoms of fiberglass side modules to be cored with 3/8" recycled fiberglass panels. Modules to have full height 3/8" recycled fiberglass bulkheads to separate compartments

Bulkheads will be sealed in with polyester bonding putty providing a strong and flexible bond that is void free and resistant

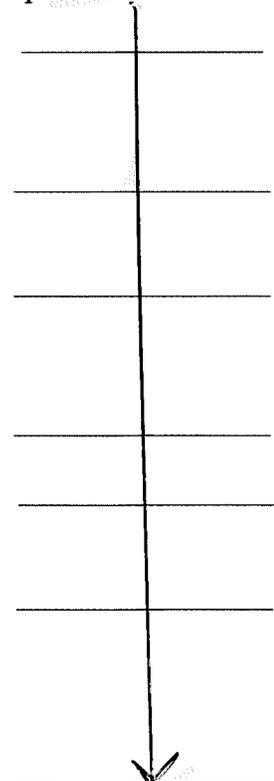
Recycled fiberglass core panels to have a minimum ultimate strength of 1200 psi, ultimate flexural strength of 2200 psi, and shear strength at yield of 265 psi.

Compartment interiors are to have bright white color finish.

Recycled fiberglass content of body to be 51% by volume of the total fiberglass construction and 44% by weight.

Floor headboard, and side flanges, shall be made from 1/8" aluminum tread plate floor and will be full seam welded. Tread plate floor shall be attached to a 2" steel tube understructure consisting of cross members and longitudinals.

See separate sheet for
Brand FX upgraded
specifications.



BIDDER PROPOSES
TO FURNISH

Steel understructure will provide cross members that protrude further than the width of floor, aft of rear wheels. Fiberglass modules will be bolted to floor and understructure with 3/8" carriage bolts. Front headboard will consist of a square bolt pattern of four bolting locations each side. Tread plate floor (side flange) shall have bolting locations no less than 11" apart for entire length of body. There are two bolting locations in each cross member from steel understructure aft of rear wheel both sides.

Body doors will be hollow core, double panel with gel coat finish on both outer and inner surfaces. The exterior door surface will have a slight convex shape for improved impact strength. The inner door panel will be flat so as to engage the weather-strip uniformly without crimping or tearing.

Door panels will be joined by polyester bonding putty. Aluminum reinforcements will be glassed inside door for attaching hardware to prevent cracking and hole distortion. Doors to be heavy duty to resist warping and capable of resisting high impact loads.

Doors to create a tight waterproof seal by means of automotive double bulb type, hollow core weather-strip. Door seal is to attach by means of pinch weld (no glue)

Aluminum drip rail will be located over all door openings and run full length of body

Compartment door openings shall not exceed a 2" corner radius.

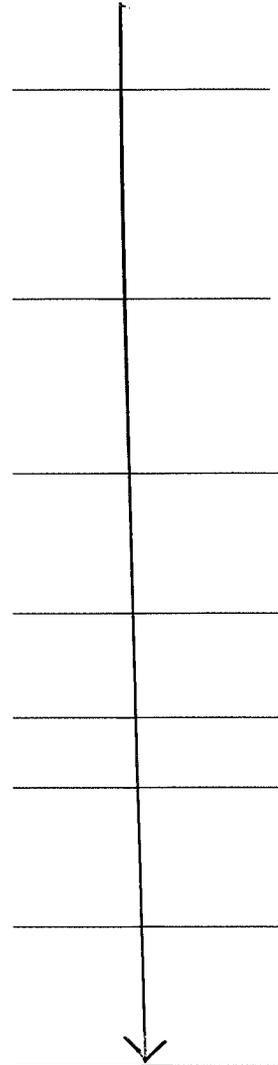
Minimum of two hinges per door. Hinge shall be heavy duty stainless steel strap type hinge. Hinges will bolt to body and door with stainless steel flush mounted bolts. Hinge length approx. five (5) inches.

Heavy duty, stainless steel, door latches, two stage, automotive, rotary type with adjustable strikers. All doors (locks) are to be keyed alike.

Body to have the following approx. dimensions: Bidder to enter exact dimensions.

Length: approx. 108"	Length <u>108"</u>
Height: approx. 39"	Height <u>42"</u>
Width: approx. 79"	Width <u>94"</u>
Compartment Depth: approx. 15"	Compartment Depth <u>20"</u>
Load bed floor width: minimum 49"	Load bed floor width <u>54"</u>

See separate sheet for
Brand FX upgraded
specifications.



Complies with Brand FX
Specifications.

Specifications for single rear wheel upgraded for dual rear wheel.

BIDDER PROPOSES
TO FURNISH

Complies with Brand FX
Specifications

Compartments:
Left Front - Street side: approx. ~~33~~³⁷" wide x ~~30~~⁴²" tall
Equipped (from top to bottom, full width) with pull out drawers
(on rollers) with adjustable dividers. (Approx. ~~8~~⁸ drawers,
approx 3" - ~~4~~" in height)

Left Horizontal – Over wheel well - Street side: approx. ~~48~~⁴⁰" wide x 22" tall
wide x ~~18~~" tall. Equipped with one pull out drawer (located
appropriately, in the center of the compartment.) Drawer to be
approx. 3" tall, full depth and width. Drawer (on rollers) to be
slide out.

Left Rear - Street side: approx. ~~28~~³¹" wide x ~~30~~⁴²" tall.
Equipped with 5 swivel J-hooks. Mounting 1 - 3 - 1

Right Front - Curbside: approx. ~~33~~³⁷" wide x ~~30~~⁴²" tall.
Equipped with "Powerbox Control Panel" Open at bottom

Right Horizontal – Over well – Curb side: approx. ~~48~~⁴⁰" wide x ~~18~~²²" tall.

Equipped with one shelf (located appropriately, in the center of
the compartment.)

Right Rear - Curb side: approx. ~~37~~³¹" wide x ~~30~~⁴²" tall.

TOOL BOX: Mounted on top of left compartment, constructed of
fiberglass with aluminum lid(s) Full length and width
of compartment, minimum of 12" deep. Has two 4' lids,
or one full length, that are hinged on street side.

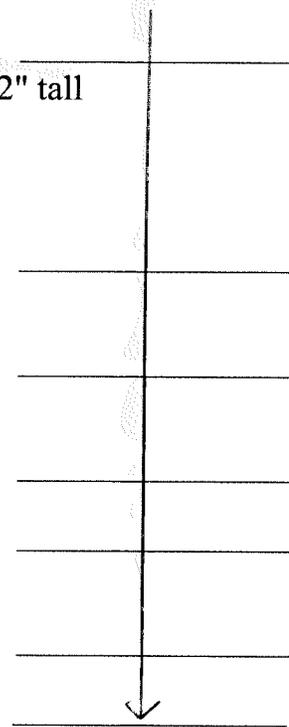
FlexGlo
~~Wsm~~ compartment lights installed in each compartment. Wiring
installed in loom with switch located in the cab. Switch to be energized
ONLY when chassis lights are on.

Each compartment to be supplied with a compartment drain.

All fasteners to be stainless steel with self-locking nuts

TAILGATE: Aluminum, approx. 10" high. Hinged with self-latching
hardware.

Chrome/Aluminum rock guards installed lower front corners of utility
box and at rear of wheel wells.



COMPLY

COMPLY

COMPLY

COMPLY

COMPLY

COMPLY

Specifications for single real wheel upgraded to dual rear wheel.

BIDDER PROPOSES
TO FURNISH

Rubber fender flare is required at body wheel openings. Only available for dual rear wheel bodies.

BODY AND FINISH: An exterior gel coat finish (exact same color as cab) shall be applied to the body exterior, and have a depth of .015" to .018" when cured so as to guard against scratches. The high gloss ISO/NPG gel coat will be provided with UV barriers to guard against premature fading.

COMPLY

All metal (except chrome/aluminum) to be primed and painted the same color as cab/body. (Ford SCHOOL BUS yellow. paint code m6284.)

COMPLY

LED LIGHTS & REFLECTORS: Conform to FMVSS #108. LED lighting for stop/tail/turn and all clearance lights. Lights (including backup) are to be flush mount and protected, with shock resistant rubber grommets.

COMPLY

TRAFFIC ARROW: Star Model # TD93DLXTARO. Mounted on rack at front of box. (Also used to mount beacon)

COMPLY

BEACON LIGHT: Star model # 9200H amber, with Tecniq S34-RR09-1 "beacon on" indicator light. Beacon wired to one of the factory installed upfitter switches. (Request LED lighting from TRUCKLITE, STAR or equivalent).

COMPLY

***** NOTE: ALL WIRING TO BE ENCLOSED IN LOOM AND ALL ELECTRICAL CONNECTIONS ARE TO BE SEALED WITH HEAT SHRINK TUBING (MASTIC SEAL FILLED). LIGHTING SYSTEM SHALL BE COMPLETELY SEALED WITH WATERPROOF JUNCTION BOXES, LAMPS, AND WEATHER PAK CONNECTIONS. NO BUTT CONNECTORS OR SCOTCH LOCKS. NO EXCEPTIONS.

Vise bracket to be installed. Location to be determined at time of installation.

COMPLY

TOW HOOKS: Heavy duty (Rear), two, bolted to frame

COMPLY

STEP BUMPER: Steel, suitable for mounting vise bracket. Minimum thickness 1/4".

COMPLY

Hitch: Full plate 1/2 inch thick with bracing, including model Kerins combo ball and pintle hitch. D-ring safety chain attachment (suitable for pintle hitch GVW)

EXCEPTION

Receiver type hitch can't have full plate with rear bumper

BIDDER PROPOSES
TO FURNISH

TRAILER CONNECTOR: 7-pin connector (Velvac model #593083 and boot #11-761). Truck is pre-wired to rear (OE trailer package). City will supply wiring diagram to successful bidder.

COMPLY

Weather proof poly box (Betts 18 pin) for all trailer/lighting connections at rear. Box to be attached to frame at rear of truck. All trailer/rear light connections are to go through this box.

COMPLY

POWER BOX – Installed - Vanair Model Air N Arc 250K with remote mounted control panel equipped with 5000 watt Generator and Air Compressor capable of producing 24 cfm @ 175 psi. Electric start.

COMPLY

Unit to be installed in the front portion of the utility body at the back of the cab. Power Box control panel to extend into the right front compartment of utility body. Controls will be access-able by opening door to compartment.

COMPLY

Unit to be powered by one 25 hp Kohler engine.

COMPLY

Unit to have 12 gallon fuel tank

COMPLY

Unit to provide minimum of 5000 watts power. 110v and/or 12v

COMPLY

One (1), two opening, ground fault protected, outlet to be located at rear, right side of body.

COMPLY

110 volt wiring to be on its own circuit. Wiring to be run in conduit. Gauge of wiring to be compatible with output of generator. 110 volt wiring not to be run in same conduit with 12 volt wiring.

COMPLY

Unit to be equipped with air compressor delivering a total of 24 CFM of air at 175 PSI. Also to be equipped with 30 gallon air storage tank. Max 175 psi available.

COMPLY

Compressed air plumbed to exit rear bumper area with 1" line terminating with a 1" ball valve.

COMPLY

MUDFLAPS: Behind rear wheels, using DOT specifications. Mud flaps are to be mounted using stainless steel hardware.

COMPLY

All items to be painted, installed, and fully operational. ALL phases of installation to be gone over with Dave Courtad prior to installation.

COMPLY

BIDDER PROPOSES
TO FURNISH

Body Warranty: 1 YEAR

Please enclose a copy of Manufacturer's warranty with bid.

Successful bidder to supply City of Traverse City with wiring diagram of both 12v and 110v electrical systems.

COMPLY

City will deliver cab/chassis to successful bidder and pick up finished truck for distances of 90 miles or less. Anything farther, bidder will pick up and deliver at no cost to the City.

COMPLY

OPTIONS:

- * 25' Battery boost cable. Add: \$191.00
- * 25' Welder cable. (electric) Add: \$152.00
- * 25' Welder cable. (ground) Add: \$133.00

Truck #2 DPS equip # 82

**SPECIFICATION: SUPPLY 9' FIBERGLASS UTILITY BODY AND MISC. EQUIPMENT AND INSTALL ON OUR 2015 FORD F350 CAB AND CHASSIS. IT HAS:
4X4, 6.7 L DIESEL ENGINE, SINGLE REAR WHEEL
141" WHEEL BASE, 60" CAB TO AXLE.
AUTO TRANS., MID-SHIP FUEL TANK.
FACTORY INSTALLED BACK UP ALARM
FACTORY INSTALLED UPFITTER SWITCHES.
FACTORY INSTALLED TRAILER BRAKE CONTROLLER.**

BIDDER PROPOSES
TO FURNISH

BRANDFX BFX60LS, or equal fiberglass utility body and misc. equipment designed to fit a 2015 Ford F550 Super Duty.

Make and Model of fiberglass body bid: Brand FX 60LS

Body shall be solid, structurally reinforced type, fiberglass throughout modules with no critical stress areas that can result in cracks or leakage utilizing fiberglass.

See separate sheet for
Brand FX upgraded
specifications.

All fiberglass skins shall be consistently 3/16" (.1875) thick.
Glass/resin ratio should be approx. 30/70. No resin fillers shall be used.

Top, front, and rear bottoms of fiberglass side modules to be cored with 3/8" recycled fiberglass panels. Modules to have full height 3/8" recycled fiberglass bulkheads to separate compartments

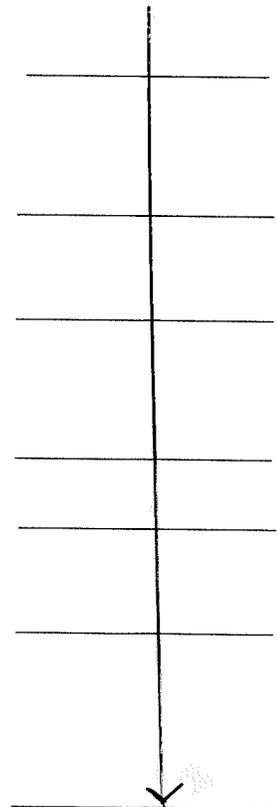
Bulkheads will be sealed in with polyester bonding putty providing a strong and flexible bond that is void free and resistant

Recycled fiberglass core panels to have a minimum ultimate strength of 1200 psi, ultimate flexural strength of 2200 psi, and shear strength at yield of 265 psi.

Compartment interiors are to have bright white color finish.

Recycled fiberglass content of body to be 51% by volume of the total fiberglass construction and 44% by weight.

Floor headboard, and side flanges, shall be made from 1/8" aluminum Tread plate floor and will be full seam welded. Tread plate floor shall be attached to a 2" steel tube understructure consisting of cross members and longitudinals.



BIDDER PROPOSES
TO FURNISH

Steel understructure will provide cross members that protrude further than the width of floor, aft of rear wheels. Fiberglass modules will be bolted to floor and understructure with 3/8" carriage bolts. Front headboard will consist of a square bolt pattern of four bolting locations each side. Tread plate floor (side flange) shall have bolting locations no less than 11" apart for entire length of body. There are two bolting locations in each cross member from steel understructure aft of rear wheel both sides.

Body doors will be hollow core, double panel with gel coat finish on both outer and inner surfaces. The exterior door surface will have a slight convex shape for improved impact strength. The inner door panel will be flat so as to engage the weather-strip uniformly without crimping or tearing.

Door panels will be joined by polyester bonding putty. Aluminum reinforcements will be glassed inside door for attaching hardware to prevent cracking and hole distortion. Doors to be heavy duty to resist warping and capable of resisting high impact loads.

Doors to create a tight waterproof seal by means of automotive double bulb type, hollow core weather-strip. Door seal is to attach by means of pinch weld (no glue)

Aluminum drip rail will be located over all door openings and run full length of body

Compartment door openings shall not exceed a 2" corner radius.

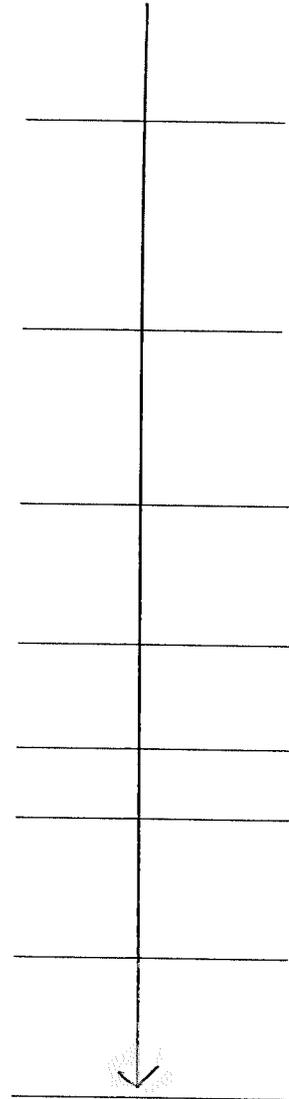
Minimum of two hinges per door. Hinge shall be heavy duty stainless steel strap type hinge. Hinges will bolt to body and door with stainless steel flush mounted bolts. Hinge length approx. five (5) inches.

Heavy duty, stainless steel, door latches, two stage, automotive, rotary type with adjustable strikers. All doors (locks) are to be keyed alike.

Body to have the following approx. dimensions: Bidder to enter exact dimensions.

Length: approx. 108"	Length <u>108"</u>
Height: approx. 39"	Height <u>42"</u>
Width: approx. 79"	Width <u>82"</u>
Compartment Depth: approx. 15"	Compartment Depth <u>15"</u>
Load bed floor width: minimum 49"	Load bed floor width <u>48"</u>

See separate sheet for
Brand FX upgraded
specifications.



Complies with Brand FX
Specifications.

BIDDER PROPOSES
TO FURNISH

Rubber fender flare is required at body wheel openings. Only available for dual rear wheel bodies.

BODY AND FINISH: An exterior gel coat finish (exact same color as cab) shall be applied to the body exterior, and have a depth of .015" to .018" when cured so as to guard against scratches. The high gloss ISO/NPG gel coat will be provided with UV barriers to guard against premature fading.

COMPLY

All metal (except chrome/aluminum) to be primed and painted the same color as cab/body. (Ford SCHOOL BUS yellow. paint code m6284.)

COMPLY

LED LIGHTS & REFLECTORS: Conform to FMVSS #108. LED lighting for stop/tail/turn and all clearance lights. Lights (including backup) are to be flush mount and protected, with shock resistant rubber grommets.

COMPLY

TRAFFIC ARROW: Star Model # TD93DLXTARO. Mounted on rack at front of box. (Also used to mount beacon)

COMPLY

Custom built stainless steel strobe & traffic arrow rack.

BEACON LIGHT: Star model # 9200H amber, with Tecniq S34-RR09-1 "beacon on" indicator light. Beacon wired to one of the factory installed upfitter switches. (Request LED lighting from TRUCKLITE, STAR or equivalent).

COMPLY

***** NOTE: ALL WIRING TO BE ENCLOSED IN LOOM AND ALL ELECTRICAL CONNECTIONS ARE TO BE SEALED WITH HEAT SHRINK TUBING (MASTIC SEAL FILLED). LIGHTING SYSTEM SHALL BE COMPLETELY SEALED WITH WATERPROOF JUNCTION BOXES, LAMPS, AND WEATHER PAK CONNECTIONS. NO BUTT CONNECTORS OR SCOTCH LOCKS. NO EXCEPTIONS.

Vise bracket to be installed. Location to be determined at time of installation.

COMPLY

TOW HOOKS: Heavy duty (Rear), two, bolted to frame

COMPLY

STEP BUMPER: Steel, suitable for mounting vise bracket. Minimum thickness 1/4".

Galvanized step bumper with receiver hitch cut-out.

Hitch: Full plate 1/2 inch thick with bracing, including model Kerins combo ball and pintle hitch. D-ring safety chain attachment (suitable for pintle hitch GVW)

EXCEPTION

Receiver type hitch can't have full plate with rear bumper.

BIDDER PROPOSES
TO FURNISH

TRAILER CONNECTOR: 7-pin connector (Velvac model #593083 and boot #11-761). Truck is pre-wired to rear (OE trailer package). City will supply wiring diagram to successful bidder.

COMPLY

Weatherproof poly box (Betts 18 pin) for all trailer/lighting connections at rear. Box to be attached to frame at rear of truck. All trailer/rear light connections are to go through this box.

COMPLY

POWER BOX – Installed -Vanair Model Air N Arc 250K with remote mounted control panel equipped with 5000 watt Generator and Air Compressor capable of producing 24 cfm @ 150 psi. Electric start.

COMPLY

Unit to be installed in the front portion of the utility body at the back of the cab. Power Box control panel to extend into the right front compartment of utility body. Controls will be access-able by opening door to compartment.

COMPLY

Unit to be powered by one 25 hp Kohler engine.

COMPLY

Unit to have 12 gallon fuel tank

COMPLY

Unit to provide minimum of 5000 watts power. 110v and/or 12v

COMPLY

One (1), two opening, ground fault protected, outlet to be located at rear, right side of body.

COMPLY

110 volt wiring to be on its own circuit. Wiring to be run in conduit. Gauge of wiring to be compatible with output of generator. 110 volt wiring not to be run in same conduit with 12 volt wiring.

COMPLY

Unit to be equipped with air compressor delivering a total of 24 CFM of air at 100 PSI. Also to be equipped with 30 gallon air storage tank. Max 175 psi available.

COMPLY

Compressed air plumbed to exit rear bumper area with 1" line terminating with a 1" ball valve.

COMPLY

MUDFLAPS: Behind rear wheels, using DOT specifications. Mud flaps are to be mounted using stainless steel hardware.

COMPLY

All items to be painted, installed, and fully operational. ALL phases of installation to be gone over with Dave Courtad prior to installation.

COMPLY

BIDDER PROPOSES
TO FURNISH

Body Warranty: 1 YEAR

Please enclose a copy of Manufacturer's warranty with bid.

Successful bidder to supply City of Traverse City with wiring diagram of both 12v and 110v electrical systems.

COMPLY

City will deliver cab/chassis to successful bidder and pick up finished truck for distances of 90 miles or less. Anything farther, bidder will pick up and deliver at no cost to the City.

COMPLY

OPTIONS:

- * 25' Battery boost cable. Add: \$191.00
- * 25' Welder cable. (electric) Add: \$152.00
- * 25' Welder cable. (ground) Add: \$133.00

Bidder - Please complete and return

BID SUMMARY

TITLE: MISCELLANEOUS EQUIPMENT TO BE INSTALLED ON TWO TRUCKS FOR THE DPS/GARAGE

DUE DATE: Thursday, December 4, 2014 at 10 AM

Having carefully examined the specifications and any other applicable information, the bidder proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

Bidder understands and agrees, if selected as the successful bidder, to accept a Purchase Order / Service Order / Contract from the City and to provide proof of any required insurance.

Bidder submits this bid and agrees to meet or exceed all the City of Traverse City's requirements and specifications unless otherwise indicated in writing and attached hereto.

Bid forms are to be completed, including bid sheet, and submitted. Items not meeting specifications must be noted in the "comply" column and bidder shall fully describe every variance, exception, and/or deviation. Additional sheets may be used and submitted with bid.

Bidder is also required to submit, with the bid, the latest printed manufacturer's specifications and advertising literature on the equipment (including components) to be provided. Completed unit MUST be equipped in compliance with all applicable ANSI, OSHA, State and Federal Motor Vehicle Safety standards and regulations in effect at time of manufacture.

Bidder understands that the City reserves the right to accept any or all bids in whole or in part and to waive irregularities in any bid in the best interest of the City of Traverse City. The bids will be evaluated and awarded on the basis of the best value to the city. Criteria used will include, but not be limited to, bidder/contractor's ability, qualifications, experience, type and amount of equipment, purchase price, maintenance cost(s), insurance, resale, license and permits and overall capability meeting the needs of the City of Traverse City. The City is sales tax exempt – Government.

The Bidder certifies that it is in compliance with the City's Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City's Codified Ordinances.

The Bidder certifies that none of the following circumstances have occurred with respect to the Bidder, an officer of the Bidder, or an owner of a 25% or more share in the Bidder's business, within 3 years prior to the bid:

(a) conviction of a criminal offense incident to the application for or performance of a contract;

(b) conviction of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense which currently, seriously and directly reflects on the Bidder's business integrity;

(c) conviction under state or federal antitrust statutes;

(d) attempting to influence a public employee to breach ethical conduct standards; or

(e) conviction of a criminal offense or other violation of other state, local, or federal law, as determined by a court of competent jurisdiction or an administrative proceeding, which in the opinion of the City indicates that the bidder is unable to perform responsibility or which reflects a lack of integrity that could negatively impact or reflect upon the City of Traverse City, including but not limited to, any of the following offenses or violations of:

i. The Natural Resources and Environmental Protection Act.

ii. A persistent and knowing violation of the Michigan Consumer Protection Act.

iii. Willful or persistent violations of the Michigan Occupational Health and Safety Act.

iv. A violation of federal, local, or state civil rights, equal rights, or non-discrimination laws, rules, or regulations.

v. Repeated or flagrant violations of laws related to the payment of wages and fringe benefits.

(f) the loss of a license or the right to do business or practice a profession, the loss or suspension of which indicates dishonesty, a lack of integrity, or a failure or refusal to perform in accordance with the ethical standards of the business or profession in question.

Pre-delivery Inspection: Successful bidder shall make a complete inspection of equipment to insure it meets specifications and perform any pre-delivery service(s) required before the equipment is delivered. Acceptance shall be subject to complete inspection and approval of the City.

Terms: Net Cash. Payment will be made as soon as possible after delivery/acceptance of equipment. Price quoted shall include any title fee, any documentation fee, and all transportation (delivery) charges fully prepaid to the City Garage, 625 Woodmere Ave., Traverse City, MI 49686.

Bidder certifies that as of the date of this bid, Bidder's company or Bidder is not in arrears to the City of Traverse City for debt or contract and is in no way a defaulter as provided in Section 152, Chapter XVI of the Charter of the City of Traverse City.

Bidder understands that the City reserves the right to accept any or all bids in whole or part and to waive irregularities in any bid in the best interest of the City. The bid will be evaluated and awarded on the basis of the best value to the City. The criteria used by the City may include, but will not be limited to: ability, qualifications, timeframe, experience, price, type and amount of equipment, accessories, options, insurance, permits, licenses, other pertinent factors and overall capability to meet the needs of the City. The City is sales tax exempt – Government.

Bidder agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

TRUCK #1, DPS Equipment #70:

MAKE AND MODEL OF EQUIPMENT BID:

Brand FX Body 60DLS / TD93DLXTRO Star Arrow Board / Star 9200H Beacon Light
Vanair- Air N Arc 250K / Receiver Hitch with Kerins combo Ball-Pintle

COST OF INSTALLED SPECIFIED EQUIPMENT \$ 29,302.00

EXPECTED DELIVERY DATE: Approximately 16 weeks after receipt of purchase order
(length of time after receipt of purchase order)

TRUCK #2, DPS Equipment #82:

MAKE AND MODEL OF EQUIPMENT BID:

Brand FX Body 60SLS / TD93DLXTRO Star Arrow Board / Star 9200H Beacon Light
Vanair- Air N Arc 250K / Receiver Hitch with Kerins combo Ball-Pintle

COST OF INSTALLED SPECIFIED EQUIPMENT \$ 29,171.00

EXPECTED DELIVERY DATE: Approximately 16 weeks after receipt of purchase order
(length of time after receipt of purchase order)

Submitted by:

Butch Cone

Signature
Butch Cone, President

Name and Title (Print)
(888) 603-5506

Phone Fax

Truck & Trailer Specialties

Company Name

P.O. Box 473/ 00399 US 131

Company Address

Boyne Falls, MI 49713

City, State, Zip

Corporation

Sole proprietorship/partnership/corporation

Michigan

If corporation, state of corporation

**TRUCK AND TRAILER SPECIALTIES
OF BOYNE FALLS, INC.**

00399 US 131 NORTH – P.O. BOX 473

BOYNE FALLS, MI 49713

Phone: 231-549-3500 – Fax: 231-549-3555 – Toll: 888-603-5506

Brand FX Body

- A. Fiberglass body per attached.
- B. Body shall be constructed to be transferable in the future.
- C. Sub-frame to be structural steel, primed and painted or aluminum, select one.
- D. Side-pack construction shall be molded core-mat with PVC structural foam core and polyester mat. WOOD CORE OR RECYCLED FIBERGLASS IS NOT ACCEPTABLE.
- E. Wheel well panels to be removable with radius corner for added strength & durability.
- F. Compartment backs and end panels to be approximately 3/8” thick, constructed with 4ml. Core-mat.
- G. Compartment faces and tops to be approximately 3/4” thick, constructed using PVC structural foam core and polyester mat. Except, any area that requires bolt through fixtures will have ‘Core Mat’ only.
- H. All core material shall be sandwiched between two layers of glass and resin. Resin to be neat (no fillers).
- I. Glass to resin ratio 30:70 or greater.
- J. Each side pack module to be mounted separately to floor and substructure (in the event of damage, one can be removed for repair or replacement). Side modules to be attached to substructure with aluminum huck bolts and bond washers.
- K. Load-bed top edge to be protected with aluminum corner trim. Rubber or vinyl inserted style not acceptable.
- L. Doors.
 - 1. Recessed radius door openings.
 - 2. Door seals shall be automotive type for improved sealing. (no glue to be used on door seals).
Service bodies, door seals to be contained under door lip, to prevent exposure to elements
Line bodies, door to seal on gasket.
 - 3. All doors shall be solid one-piece construction using close mold system.
 - 4. High density PVC structural foam core.
 - 5. Reinforced with a minimum of 40% glass content.
 - 6. Gel-coat both sides for automotive style finish.
 - 7. All latches and hinges to be stainless steel.
 - 8. All doors to have vinyl coated aircraft cable restraints.

- M. All accessories mounted with stainless steel fasteners. All nuts self-locking Teflon style and all metal attaching bolts to have rubber washers.
- N. Body to have steel/aluminum load bed floor. (select one, either tread plate, smooth or non-skid coated) Thickness: _____
- O. Body to have clear vinyl rock guards on front corners.
- P. Compartments
 - 1. All shelves to be one piece pultruded fiberglass construction with composite reinforced end caps.
 - 2. All adjustable tracking for shelving to be pultruded fiberglass.
 - 3. Shelves to have 2" lips. Shelf dividers to be pultruded fiberglass construction.
 - 4. All dividers to have removable lock down chips.
 - 5. Hand lay-up, chopped, and/or other means of shelf construction.
 - 6. Minimum 12" width shelving for 15" packs, minimum 15" shelving for 18" packs and minimum 18" width shelving for 20" packs.
 - 7. All wall mounted material hooks to be 3/8" stainless steel rod, locking swivel type and flat bottom design.
- Q. Body to have flow through ventilation system.
- R. No drip rail above doors on bodies.

Monroe

The City of Traverse City
Office of the City Manager

GOVERNMENTAL CENTER
400 Boardman Avenue
Traverse City, MI 49684
(231) 922-4440
(231) 922-4476 Fax



November 17, 2014

Bidder:

The City of Traverse City will receive sealed bids in the Office of the City Manager, Second floor, Governmental Center, 400 Boardman Avenue, Traverse City, Michigan, 49684, until **Thursday, December 4, 2014, at 10:00 a.m.** for the following:

**MISCELLANEOUS EQUIPMENT TO BE INSTALLED
ON TWO TRUCKS FOR THE DPS/GARAGE**
(specifications attached)

If the specifications are obtained from the City's new updated website link at: http://www.traversecitymi.gov/bids_and_rfps.asp, it is the sole responsibility of the Bidder to check the website for updates and addenda prior to the bid being submitted. Bidder may also sign up to receive notifications when bids and RFPs are posted by sending an e-mail requesting same to jdalton@traversecitymi.gov

The City of Traverse City reserves the right to accept or reject any or all bids, waive irregularities, and to accept the bids either on an entire or individual basis that is in the best interest of the City.

The City accepts no responsibility for any expense incurred by the Bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the Bidder.

Only the successful Bidder will be notified. If you so desire, you may call for results.

You must indicate on the outside of the sealed envelope that the bid is for the "Truck Equipment #70 & #82."

You must submit **TWO (2) SEALED COPIES** of the bid to the City Manager's Office prior to the above-indicated time and date or the bid will not be accepted. Telefaxed or E-Mail bids will not be accepted.

Please note that if you have previously submitted an informal quote, you will still need to submit a sealed bid prior to the date and time specified above in order to be considered. Please ensure that all requirements listed in the specifications are met.

If you have any questions, please contact Mr. Dave Courtad, Garage Superintendent, at (231) 922-4900, ext. 111 before the bid is submitted.

PLEASE SUBMIT BID TO:

Julie Dalton, Purchasing Agent
City Manager's Office, Governmental Center
Second Floor, 400 Boardman Avenue
Traverse City, MI 49684

SPECIFICATIONS

SUPPLY AND INSTALL VARIOUS SPECIFIED EQUIPMENT ON FIVE CITY OF TRAVERSE CITY CAB AND CHASSIS

MINIMUM REQUIREMENTS: The attached detailed specification shall be construed as minimum. Should manufacturer's current published data or specifications exceed these, such standards shall be considered minimum and furnished. All integral parts not specifically mentioned in the scope of these specifications which are necessary to provide a complete working unit shall be furnished.

SILENCE OF SPECIFICATIONS: The apparent silence of this specification and any supplemental specification as to any details or the omission from it of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only material of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of this specification shall be made upon the basis of this statement.

COMPLIANCE: Bidder must complete and return the enclosed bid forms, including bid sheet. Enter "COMPLY" in the "BIDDER PROPOSES TO FURNISH" column if your equipment meets or exceeds the requested specification. If your equipment does not comply with the requested specification then enter "EXCEPTION" or other information which may pertain. If the item is equivalent then please indicate that fact. All exceptions must be fully explained in the "bidder proposes to furnish" column or on another sheet of paper. If nothing is written in the column then the City will assume that the bidder will precisely and exactly meet the specifications requested.

THE CITY OF TRAVERSE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS. WAIVE IRREGULARITIES. AND TO ACCEPT THE BIDS EITHER ON AN ENTIRE OR INDIVIDUAL BASIS THAT ARE IN THE BEST INTEREST OF THE CITY OF TRAVERSE CITY.

IN ANY CIRCUMSTANCE DURING OR PRIOR TO DELIVERY OF THE VEHICLE/ EQUIPMENT, WHEREUPON THE CITY OF TRAVERSE CITY (CUSTOMER) BECOMES ELIGIBLE TO RECEIVE A REBATE FOR ANY VEHICLE PURCHASED UNDER THIS BID, IT SHALL BE THE SUCCESSFUL BIDDERS RESPONSIBILITY TO INFORM DAVE COURTAID, SUPT., DIV. OF MOTOR EQUIPMENT, OF ITS QUALIFICATION FOR SUCH REBATE AND TO ADVISE THE PROCEDURES FOR OBTAINING SUCH REBATES.

It is the intent of these specifications to describe dump boxes, utility boxes, a chip box, plows and miscellaneous equipment, per the following specifications to equip five cab and chassis. There are numerous makes and models of equipment available that will meet or closely meet these criteria. If the specifications requested do not exactly coincide with your equipment you may take exception and bid your equipment. All exceptions must be noted and fully explained on a separate sheet of paper.

If you have any questions, or are unclear as to what we are requesting, please contact Dave Courtad at 231-922-4900 ext. 111. Please ask questions or request clarifications before submitting your bid.

DESCRIPTIONS OF CAB AND CHASSIS'S TO BE EQUIPPED:

TRUCK # 1, DPS equip # 70

2015 FORD F550 4X4, 6.8L V-10 ENGINE, DUAL REAR WHEELS, WHEEL BASE = 141", CAB TO AXLE = 60", 19000# GVWR, AUTO. TRANSMISSION, MID-SHIP FUEL TANK, FACTORY INSTALLED BACK-UP ALARM, FACTORY INSTALLED UPFITTER SWITCHES, FACTORY INSTALLED TRAILER BRAKE CONTROLLER.

This truck will be equipped with a 9' fiberglass utility box and misc. equipment.

TRUCK # 2, DPS equip # 82

2015 FORD F350 4X4, 6.7L DIESEL ENGINE, SINGLE REAR WHEELS, WHEEL BASE =141" CAB TO AXLE = 60", 11100# GVWR, AUTO. TRANSMISSION, MID-SHIP FUEL TANK, FACTORY INSTALLED BACK UP ALARM, FACTORY INSTALLED UPFITTER SWITCHES, FACTORY INSTALLED TRAILER BRAKE CONTROLLER.

This truck will be equipped with a 9' fiberglass utility box and misc. equipment.

Truck #1 DPS equip #70

**SPECIFICATION: SUPPLY 9' FIBERGLASS UTILITY BODY AND MISC. EQUIPMENT AND INSTALL ON OUR 2015 FORD F550 CAB AND CHASSIS. IT HAS:
4X4, 6.8 L EFI V10 ENGINE, DUAL REAR WHEEL
141" WHEEL BASE, 60" CAB TO AXLE.
AUTO TRANS., MID-SHIP FUEL TANK.
FACTORY INSTALLED BACK UP ALARM
FACTORY INSTALLED UPFITTER SWITCHES.
FACTORY INSTALLED TRAILER BRAKE CONTROLLER.**

BIDDER PROPOSES
TO FURNISH

BRANDFX BFX60LS, or equal fiberglass utility body and misc. equipment designed to fit a 2015 Ford F550 Super Duty.

Make and Model of fiberglass body bid: Brand FX 60 DLS

Body shall be solid, structurally reinforced type, fiberglass throughout modules with no critical stress areas that can result in cracks or leakage utilizing fiberglass.

Yes

All fiberglass skins shall be consistently 3/16" (.1875) thick. Glass/resin ratio should be approx. 30/70. No resin fillers shall be used.

Yes

Top, front, and rear bottoms of fiberglass side modules to be cored with 3/8" recycled fiberglass panels. Modules to have full height 3/8" recycled fiberglass bulkheads to separate compartments

Yes

Bulkheads will be sealed in with polyester bonding putty providing a strong and flexible bond that is void free and resistant

Yes

Recycled fiberglass core panels to have a minimum ultimate strength of 1200 psi, ultimate flexural strength of 2200 psi, and shear strength at yield of 265 psi.

Yes

Compartment interiors are to have bright white color finish.

Yes

Recycled fiberglass content of body to be 51% by volume of the total fiberglass construction and 44% by weight.

Yes

Floor headboard, and side flanges, shall be made from 1/8" aluminum tread plate floor and will be full seam welded. Tread plate floor shall be attached to a 2" steel tube understructure consisting of cross members and longitudinals.

Yes

BIDDER PROPOSES
TO FURNISH

Steel understructure will provide cross members that protrude further than the width of floor, aft of rear wheels. Fiberglass modules will be bolted to floor and understructure with 3/8" carriage bolts. Front headboard will consist of a square bolt pattern of four bolting locations each side. Tread plate floor (side flange) shall have bolting locations no less than 11" apart for entire length of body. There are two bolting locations in each cross member from steel understructure aft of rear wheel both sides.

Yes

Body doors will be ~~hollow core~~, double panel with gel coat finish on both outer and inner surfaces. The exterior door surface will have a slight convex shape for improved impact strength. The inner door panel will be flat so as to engage the weather-strip uniformly without crimping or tearing.

Yes

Door panels will be joined by polyester bonding putty. Aluminum reinforcements will be glassed inside door for attaching hardware to prevent cracking and hole distortion. Doors to be heavy duty to resist warping and capable of resisting high impact loads.

Yes

Doors to create a tight waterproof seal by means of automotive double bulb type, hollow core weather-strip. Door seal is to attach by means of pinch weld (no glue)

Yes

~~Aluminum drip rail will be located over all door openings and run full length of body~~

Yes

Compartment door openings shall not exceed a 2" corner radius.

Yes

Minimum of two hinges per door. Hinge shall be heavy duty stainless steel strap type hinge. Hinges will bolt to body and door with stainless steel flush mounted bolts. Hinge length approx. five (5) inches.

Yes

Heavy duty, stainless steel, door latches, two stage, automotive, rotary type with adjustable strikers. All doors (locks) are to be keyed alike.

Yes

Body to have the following approx. dimensions: Bidder to enter exact dimensions.

Length: approx. 108"	Length	<u>109"</u>	_____
Height: approx. 39"	Height	<u>42"</u>	_____
Width: approx. 79"	Width	<u>94"</u>	_____
Compartment Depth: approx. 15"	Compartment Depth	<u>20"</u>	_____
Load bed floor width: minimum 49"	Load bed floor width	<u>54"</u>	_____

BIDDER PROPOSES
TO FURNISH

Compartments: 37" 42"
 Left Front - Street side: approx. ~~35"~~ wide x ~~39"~~ tall
 Equipped (from top to bottom, full width) with pull out drawers
 (on rollers) with adjustable dividers. (Approx. ~~9-10~~ drawers,
 approx 3" 4" in height) 8

Yes see notes

22" Left Horizontal - Over wheel well - Street side: approx. ~~48"~~ 40"
 wide x ~~17"~~ tall. Equipped with one pull out drawer (located
 appropriately, in the center of the compartment.) Drawer to be
 approx. ~~3"~~ tall, full depth and width. Drawer (on rollers) to be
 slide out. 2"

Yes see notes

Left Rear - Street side: approx. 31" 42"
~~27"~~ wide x ~~39"~~ tall.
 Equipped with 5 swivel J-hooks. Mounting 1 - 3 - 1

Yes

Right Front - Curbside: approx. 37" 42"
~~35"~~ wide x ~~39"~~ tall.
 Equipped with "Powerbox Control Panel" Open at bottom

Yes

Right Horizontal - Over well - Curb side: approx. ~~48"~~ 40" wide x ~~17"~~ 22" tall.

Yes

Equipped with one shelf (located appropriately, in the center of
 the compartment.)

Yes

Right Rear - Curb side: approx. 31" 42"
~~27"~~ wide x ~~39"~~ tall.

Yes

TOOL BOX: Mounted on top of left compartment, constructed of
 fiberglass with aluminum lid(s) Full length and width
 of compartment, minimum of 12" deep. Has two ~~X~~ lids,
 or one full length, that are hinged on street side.

Yes

~~Flex - Glo~~
 Vista compartment lights installed in each compartment. Wiring
 installed in loom with switch located in the cab. Switch to be energized
 ONLY when chassis lights are on.

Yes

Each compartment to be supplied with a compartment drain.

Yes

All fasteners to be stainless steel with self-locking nuts

Yes

TAILGATE: Aluminum, approx. 10" high. Hinged with self-latching
 hardware.

Yes

Chrome/Aluminum rock guards installed lower front corners of utility
 box and at rear of wheel wells.

Yes

BIDDER PROPOSES TO FURNISH

Rubber fender flare is required at body wheel openings.

N/A

BODY AND FINISH: An exterior gel coat finish (exact same color as cab) shall be applied to the body exterior, and have a depth of .015" to .018" when cured so as to guard against scratches. The high gloss ISO/NPG gel coat will be provided with UV barriers to guard against premature fading.

Yes

All metal (except chrome/aluminum) to be primed and painted the same color as cab/body. (Ford SCHOOL BUS yellow. paint code m6284.)

Yes

LED LIGHTS & REFLECTORS: Conform to FMVSS #108. LED lighting for stop/tail/turn and all clearance lights. Lights (including backup) are to be flush mount and protected, with shock resistant rubber grommets.

Yes

TRAFFIC ARROW: Star Model # TD93DLXTARO. Mounted on rack at front of box. (Also used to mount beacon) ^{48"} ~~48"~~

~~Yes~~ Yes Rack will be Aluminum by Brad FX

BEACON LIGHT: Star model # 9200H ^A amber, with Tecniq S34-RR09-1 "beacon on" indicator light. Beacon wired to one of the factory installed upfitter switches. (Request LED lighting from TRUCKLITE, STAR or equivalent).

~~Yes~~ Yes

***** NOTE: ALL WIRING TO BE ENCLOSED IN LOOM AND ALL ELECTRICAL CONNECTIONS ARE TO BE SEALED WITH HEAT SHRINK TUBING (MASTIC SEAL FILLED). LIGHTING SYSTEM SHALL BE COMPLETELY SEALED WITH WATERPROOF JUNCTION BOXES, LAMPS, AND WEATHER PAK CONNECTIONS. NO BUTT CONNECTORS OR SCOTCH LOCKS. NO EXCEPTIONS.

Vise bracket to be installed. Location to be determined at time of installation.

Yes

TOW HOOKS: Heavy duty (Rear), two, bolted to frame

Yes

STEP BUMPER: Steel, suitable for mounting vise bracket. Minimum thickness 1/4".

Yes

Hitch: Full plate 1/2 inch thick with bracing, including model Kerins combo ball and pintle hitch. D-ring safety chain attachment (suitable for pintle hitch GVW)

Yes

BIDDER PROPOSES
TO FURNISH

TRAILER CONNECTOR: 7-pin connector (Velvac model #593083 and boot #11-761). Truck is pre-wired to rear (OE trailer package). City will supply wiring diagram to successful bidder.

Yes

Weather proof poly box (Betts 18 pin) for all trailer/lighting connections at rear. Box to be attached to frame at rear of truck. All trailer/rear light connections are to go through this box.

Yes

POWER BOX – Installed - Vanair Model Air N Arc 250K with remote mounted control panel equipped with 5000 watt Generator and Air Compressor capable of producing 24 cfm @ 175 psi. Electric start.

Yes

Unit to be installed in the front portion of the utility body at the back of the cab. Power Box control panel to extend into the right front compartment of utility body. Controls will be access-able by opening door to compartment.

Yes

Unit to be powered by one 25 hp Kohler engine.

Yes

Unit to have 12 gallon fuel tank

Yes

Unit to provide minimum of 5000 watts power. 110v and/or 12v

Yes

One (1), two opening, ground fault protected, outlet to be located at rear, right side of body.

Yes

110 volt wiring to be on its own circuit. Wiring to be run in conduit. Gauge of wiring to be compatible with output of generator. 110 volt wiring not to be run in same conduit with 12 volt wiring.

Yes

Unit to be equipped with air compressor delivering a total of 24 CFM of air at 175 PSI. Also to be equipped with 30 gallon air storage tank. Max 175 psi available.

Yes

Compressed air plumbed to exit rear bumper area with 1" line terminating with a 1" ball valve.

Yes

MUDFLAPS: Behind rear wheels, using DOT specifications. Mud flaps are to be mounted using stainless steel hardware.

Yes

All items to be painted, installed, and fully operational. ALL phases of installation to be gone over with Dave Courtad prior to installation.

Yes

BIDDER PROPOSES
TO FURNISH

Body Warranty: (1) ONE Year
Please enclose a copy of Manufacturer's warranty with bid.

Successful bidder to supply City of Traverse City with wiring diagram of both 12v and 110v electrical systems. Yes

City will deliver cab/chassis to successful bidder and pick up finished truck for distances of 90 miles or less. Anything farther, bidder will pick up and deliver at no cost to the City. Yes

Truck #2 DPS equip # 82

**SPECIFICATION: SUPPLY 9' FIBERGLASS UTILITY BODY AND MISC. EQUIPMENT AND INSTALL ON OUR 2015 FORD F350 CAB AND CHASSIS. IT HAS:
4X4, 6.7 L DIESEL ENGINE, SINGLE REAR WHEEL
141" WHEEL BASE, 60" CAB TO AXLE.
AUTO TRANS., MID-SHIP FUEL TANK.
FACTORY INSTALLED BACK UP ALARM
FACTORY INSTALLED UPFITTER SWITCHES,
FACTORY INSTALLED TRAILER BRAKE CONTROLLER.**

BIDDER PROPOSES
TO FURNISH

BRANDFX BFX60LS, or equal fiberglass utility body and misc. equipment designed to fit a 2015 Ford F550 Super Duty.

Make and Model of fiberglass body bid: Brand FX 60LS

Body shall be solid, structurally reinforced type, fiberglass throughout modules with no critical stress areas that can result in cracks or leakage utilizing fiberglass.

Yes

All fiberglass skins shall be consistently 3/16" (.1875) thick. Glass/resin ratio should be approx. 30/70. No resin fillers shall be used.

Yes

Top, front, and rear bottoms of fiberglass side modules to be cored with 3/8" recycled fiberglass panels. Modules to have full height 3/8" recycled fiberglass bulkheads to separate compartments

Yes

Bulkheads will be sealed in with polyester bonding putty providing a strong and flexible bond that is void free and resistant

Yes

Recycled fiberglass core panels to have a minimum ultimate strength of 1200 psi, ultimate flexural strength of 2200 psi, and shear strength at yield of 265 psi.

Yes

Compartment interiors are to have bright white color finish.

Yes

Recycled fiberglass content of body to be 51% by volume of the total fiberglass construction and 44% by weight.

Yes

Floor headboard, and side flanges, shall be made from 1/8" aluminum Tread plate floor and will be full seam welded. Tread plate floor shall be attached to a 2" steel tube understructure consisting of cross members and longitudinals.

Yes

BIDDER PROPOSES
TO FURNISH

Steel understructure will provide cross members that protrude further than the width of floor, aft of rear wheels. Fiberglass modules will be bolted to floor and understructure with 3/8" carriage bolts. Front headboard will consist of a square bolt pattern of four bolting locations each side. Tread plate floor (side flange) shall have bolting locations no less than 11" apart for entire length of body. There are two bolting locations in each cross member from steel understructure aft of rear wheel both sides.

Yes

Body doors will be ~~hollow core~~, double panel with gel coat finish on both outer and inner surfaces. The exterior door surface will have a slight convex shape for improved impact strength. The inner door panel will be flat so as to engage the weather-strip uniformly without crimping or tearing.

Yes

Door panels will be joined by polyester bonding putty. Aluminum reinforcements will be glassed inside door for attaching hardware to prevent cracking and hole distortion. Doors to be heavy duty to resist warping and capable of resisting high impact loads.

Yes

Doors to create a tight waterproof seal by means of automotive double bulb type, hollow core weather-strip. Door seal is to attach by means of pinch weld (no glue)

Yes

~~Aluminum drip rail will be located over all door openings and run full length of body~~

Yes

Compartment door openings shall not exceed a 2" corner radius.

Yes

Minimum of two hinges per door. Hinge shall be heavy duty stainless steel strap type hinge. Hinges will bolt to body and door with stainless steel flush mounted bolts. Hinge length approx. five (5) inches.

Yes

Heavy duty, stainless steel, door latches, two stage, automotive, rotary type with adjustable strikers. All doors (locks) are to be keyed alike.

Yes

Body to have the following approx. dimensions: Bidder to enter exact dimensions.

Length: approx. 108"

Length 108"

Height: approx. ~~39"~~

Height 42"

Width: approx. ~~79"~~

Width 82.75"

Compartment Depth: approx. 15"

Compartment Depth 15"

Load bed floor width: minimum 49"

Load bed floor width 48.75"

BIDDER PROPOSES
TO FURNISH

Compartments:
Left Front - Street side: approx. ^{37"}~~33"~~ wide x ^{42"}~~39"~~ tall ^{Only Room for} ~~8~~ ^{3"} drawers
Equipped (from top to bottom, full width) with pull out drawers
(on rollers) with adjustable dividers. (Approx. ⁸~~9-10~~ drawers,
approx. ³~~3~~ 4" in height)

See Notes

^{22"} Left Horizontal - Over wheel well - Street side: approx. ^{40"}~~48"~~
wide x ~~17"~~ tall. Equipped with one pull out drawer (located
appropriately, in the center of the compartment.) Drawer to be
approx. 3" tall, full depth and width. Drawer (on rollers) to be
slide out.

Yes

Left Rear - Street side: approx. ^{31"}~~27"~~ wide x ^{42"}~~39"~~ tall.
Equipped with 5 swivel J-hooks. Mounting 1 - 3 - 1

Yes

Right Front - Curbside: approx. ^{37"}~~33"~~ wide x ^{42"}~~39"~~ tall.
Equipped with "Powerbox Control Panel" Open at bottom

Yes

Right Horizontal - Over well - Curb side: approx. ^{40"}~~48"~~ wide x ^{22"}~~17"~~ tall.

Yes

Equipped with one shelf (located appropriately, in the center of
the compartment.)

Yes

Right Rear - Curb side: approx. ^{31"}~~27"~~ wide x ^{42"}~~39"~~ tall.

Yes

TOOL BOX: Mounted on top of left compartment, constructed of
fiberglass with aluminum lid(s) Full length and width
of compartment, minimum of 12" deep. Has two ~~lids~~
or one full length, that are hinged on street side.

Yes

Flex Glo
Vista compartment lights installed in each compartment. Wiring
installed in loom with switch located in the cab. Switch to be energized
ONLY when chassis lights are on.

Yes

Each compartment to be supplied with a compartment drain.

Yes

All fasteners to be stainless steel with self-locking nuts

Yes

TAILGATE: Aluminum, approx. 10" high. Hinged with self-latching
hardware.

Yes

Chrome/Aluminum rock guards installed lower front corners of utility
box and at rear of wheel wells.

Yes

BIDDER PROPOSES
TO FURNISH

Rubber fender flare is required at body wheel openings.

N/A

BODY AND FINISH: An exterior gel coat finish (exact same color as cab) shall be applied to the body exterior, and have a depth of .015" to .018" when cured so as to guard against scratches. The high gloss ISO/NPG gel coat will be provided with UV barriers to guard against premature fading.

Yes

All metal (except chrome/aluminum) to be primed and painted the same color as cab/body. (Ford SCHOOL BUS yellow. paint code m6284.)

Yes

LED LIGHTS & REFLECTORS: Conform to FMVSS #108. LED lighting for stop/tail/turn and all clearance lights. Lights (including backup) are to be flush mount and protected, with shock resistant rubber grommets.

Yes

TRAFFIC ARROW: Star Model # TD93DLXTARO. Mounted on rack at front of box. (Also used to mount beacon)

Yes Rack will be Aluminum built by Brand FX

BEACON LIGHT: Star model # 9200H amber, with Tecniq S34-RR09-1 "beacon on" indicator light. Beacon wired to one of the factory installed upfitter switches. (Request LED lighting from TRUCKLITE, STAR or equivalent).

Yes

***** NOTE: ALL WIRING TO BE ENCLOSED IN LOOM AND ALL ELECTRICAL CONNECTIONS ARE TO BE SEALED WITH HEAT SHRINK TUBING (MASTIC SEAL FILLED). LIGHTING SYSTEM SHALL BE COMPLETELY SEALED WITH WATERPROOF JUNCTION BOXES, LAMPS, AND WEATHER PAK CONNECTIONS. NO BUTT CONNECTORS OR SCOTCH LOCKS. NO EXCEPTIONS.

Vise bracket to be installed. Location to be determined at time of installation.

Yes

TOW HOOKS: Heavy duty (Rear), two, bolted to frame

Yes

STEP BUMPER: Steel, suitable for mounting vise bracket. Minimum thickness 1/4".

Yes

Hitch: Full plate 1/2 inch thick with bracing, including model Kerins combo ball and pintle hitch. D-ring safety chain attachment (suitable for pintle hitch GVW)

Yes

BIDDER PROPOSES
TO FURNISH

TRAILER CONNECTOR: 7-pin connector (Velvac model #593083 and boot #11-761). Truck is pre-wired to rear (OE trailer package). City will supply wiring diagram to successful bidder.

Yes

Weatherproof poly box (Betts 18 pin) for all trailer/lighting connections at rear. Box to be attached to frame at rear of truck. All trailer/rear light connections are to go through this box.

Yes

POWER BOX – Installed -Vanair Model Air N Arc 250K with remote mounted control panel equipped with 5000 watt Generator and Air Compressor capable of producing 24 cfm @ 150 psi. Electric start.

Yes

Unit to be installed in the front portion of the utility body at the back of the cab. Power Box control panel to extend into the right front compartment of utility body. Controls will be access-able by opening door to compartment.

Yes

Unit to be powered by one 25 hp Kohler engine.

Yes

Unit to have 12 gallon fuel tank

Yes

Unit to provide minimum of 5000 watts power. 110v and/or 12v

Yes

One (1), two opening, ground fault protected, outlet to be located at rear, right side of body.

Yes

110 volt wiring to be on its own circuit. Wiring to be run in conduit. Gauge of wiring to be compatible with output of generator. 110 volt wiring not to be run in same conduit with 12 volt wiring.

Yes

Unit to be equipped with air compressor delivering a total of 24 CFM of air at 100 PSI. Also to be equipped with 30 gallon air storage tank. Max 175 psi available.

Yes

Compressed air plumbed to exit rear bumper area with 1" line terminating with a 1" ball valve.

Yes

MUDFLAPS: Behind rear wheels, using DOT specifications. Mud flaps are to be mounted using stainless steel hardware.

Yes

All items to be painted, installed, and fully operational. ALL phases of installation to be gone over with Dave Courtad prior to installation.

Yes

BIDDER PROPOSES
TO FURNISH

Body Warranty: (1) One Year
Please enclose a copy of Manufacturer's warranty with bid.

Successful bidder to supply City of Traverse City with wiring diagram of both 12v and 110v electrical systems. Yes

City will deliver cab/chassis to successful bidder and pick up finished truck for distances of 90 miles or less. Anything farther, bidder will pick up and deliver at no cost to the City. Yes

Bidder - Please complete and return

BID SUMMARY

TITLE: MISCELLANEOUS EQUIPMENT TO BE INSTALLED ON TWO TRUCKS FOR THE DPS/GARAGE

DUE DATE: Thursday, December 4, 2014 at 10 AM

Having carefully examined the specifications and any other applicable information, the bidder proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

Bidder understands and agrees, if selected as the successful bidder, to accept a Purchase Order / Service Order / Contract from the City and to provide proof of any required insurance.

Bidder submits this bid and agrees to meet or exceed all the City of Traverse City's requirements and specifications unless otherwise indicated in writing and attached hereto.

Bid forms are to be completed, including bid sheet, and submitted. Items not meeting specifications must be noted in the "comply" column and bidder shall fully describe every variance, exception, and/or deviation. Additional sheets may be used and submitted with bid.

Bidder is also required to submit, with the bid, the latest printed manufacturer's specifications and advertising literature on the equipment (including components) to be provided. Completed unit MUST be equipped in compliance with all applicable ANSI, OSHA, State and Federal Motor Vehicle Safety standards and regulations in effect at time of manufacture.

Bidder understands that the City reserves the right to accept any or all bids in whole or in part and to waive irregularities in any bid in the best interest of the City of Traverse City. The bids will be evaluated and awarded on the basis of the best value to the city. Criteria used will include, but not be limited to, bidder/contractor's ability, qualifications, experience, type and amount of equipment, purchase price, maintenance cost(s), insurance, resale, license and permits and overall capability meeting the needs of the City of Traverse City. The City is sales tax exempt – Government.

The Bidder certifies that it is in compliance with the City's Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City's Codified Ordinances.

The Bidder certifies that none of the following circumstances have occurred with respect to the Bidder, an officer of the Bidder, or an owner of a 25% or more share in the Bidder's business, within 3 years prior to the bid:

- (a) conviction of a criminal offense incident to the application for or performance of a contract;

(b) conviction of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense which currently, seriously and directly reflects on the Bidder's business integrity;

(c) conviction under state or federal antitrust statutes;

(d) attempting to influence a public employee to breach ethical conduct standards; or

(e) conviction of a criminal offense or other violation of other state, local, or federal law, as determined by a court of competent jurisdiction or an administrative proceeding, which in the opinion of the City indicates that the bidder is unable to perform responsibility or which reflects a lack of integrity that could negatively impact or reflect upon the City of Traverse City, including but not limited to, any of the following offenses or violations of:

i. The Natural Resources and Environmental Protection Act.

ii. A persistent and knowing violation of the Michigan Consumer Protection Act.

iii. Willful or persistent violations of the Michigan Occupational Health and Safety Act.

iv. A violation of federal, local, or state civil rights, equal rights, or non-discrimination laws, rules, or regulations.

v. Repeated or flagrant violations of laws related to the payment of wages and fringe benefits.

(f) the loss of a license or the right to do business or practice a profession, the loss or suspension of which indicates dishonesty, a lack of integrity, or a failure or refusal to perform in accordance with the ethical standards of the business or profession in question.

Pre-delivery Inspection: Successful bidder shall make a complete inspection of equipment to insure it meets specifications and perform any pre-delivery service(s) required before the equipment is delivered. Acceptance shall be subject to complete inspection and approval of the City.

Terms: Net Cash. Payment will be made as soon as possible after delivery/acceptance of equipment. Price quoted shall include any title fee, any documentation fee, and all transportation (delivery) charges fully prepaid to the City Garage, 625 Woodmere Ave., Traverse City, MI 49686.

Bidder certifies that as of the date of this bid, Bidder's company or Bidder is not in arrears to the City of Traverse City for debt or contract and is in no way a defaulter as provided in Section 152, Chapter XVI of the Charter of the City of Traverse City.

Bidder understands that the City reserves the right to accept any or all bids in whole or part and to waive irregularities in any bid in the best interest of the City. The bid will be evaluated and awarded on the basis of the best value to the City. The criteria used by the City may include, but will not be limited to: ability, qualifications, timeframe, experience, price, type and amount of equipment, accessories, options, insurance, permits, licenses, other pertinent factors and overall capability to meet the needs of the City. The City is sales tax exempt – Government.

Bidder agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

TRUCK #1, DPS Equipment #70:

MAKE AND MODEL OF EQUIPMENT BID:

Brand FX 60DL5
AIR N ARC 250

COST OF INSTALLED SPECIFIED EQUIPMENT

\$ 27,181.00

EXPECTED DELIVERY DATE: 90 days approx.
(length of time after receipt of purchase order)

TRUCK #2, DPS Equipment #82:

MAKE AND MODEL OF EQUIPMENT BID:

Brand FX 60LS
AIR N ARC 250

COST OF INSTALLED SPECIFIED EQUIPMENT

\$ 27,057

EXPECTED DELIVERY DATE: 90 day approx
(length of time after receipt of purchase order)

Submitted by:

Signature

Josh Hawkins District Sales Mgr

Name and Title (Print)

810 845 9865 810 238 5009

Phone

Fax

Monroe Truck Equipment

Company Name

2400 Reo Dr

Company Address

Flint

City,

Mi

State,

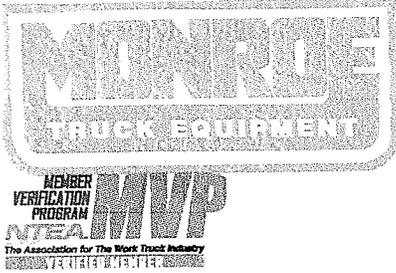
48507

Zip

Sole proprietorship/partnership/corporation

Wisconsin

If corporation, state of corporation



QUOTATION
 Monroe Truck Equipment
 2400 Reo Drive
 Flint, MI 48507
 Phone: 810-853-6833
 Fax: 810-238-5009
 Email: jtackabury@monroetruck.com
www.monroetruck.com

Quote Number: 7JIT002427
 Job Order Number:
 Quote Date: 11/28/2014
 Quote valid until: 12/28/2014
 Terms: C.O.D.
 Salesperson: HAWKINS, JOSH
 Quoted By: Jamie Tackabury

Customer: CITY OF TRAVERSE CITY, (1003150) Contact: Dealer Code: _____
 , MI Phone: / Fax: _____
 Email: _____ P.O. Number: _____
 Accepted by: _____ Date: _____
Customer must fill out the information above before the order can be processed.

Chassis Information				
Year: 2015	Make: FORD	Model: F-550	Chassis Color:	Cab Type: REGULAR
Single/Dual: DRW	Cab-to-Axle: 60.0	Wheelbase:	F.O. Number #:	Vin:

Comments:

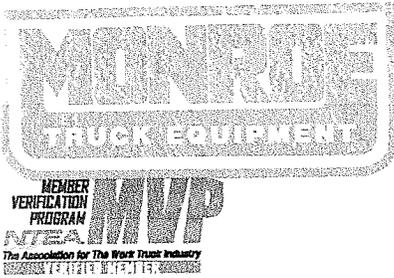
Monroe Truck Equipment, Inc. is pleased to offer the following quote for your review:

DESCRIPTION	AMOUNT
BRANDFX 60DLS STANDARD SERVICE BODY DUAL REAR WHEEL SPECS PER QUOTE# 70	# 70
TRAILER RECEPTACLE	
WISE MOUNT PLATE LOCATION TBD	
AIR N ARC 250 - 25HP REMOTE 30GAL 12/24VBB 25HP FUEL INJECTED KOHLER 250 AMP DC CC/CV WELDER 5 KW GENERATOR 24 CFM RECIPROCATING COMPRESS 12/24V BATTERY BOOST/CHARGER 30 GAL. AIR STORAGE 12 GAL. FUEL STORAGE NO WELD OR BOOST CABLES REMOTE PANEL CONNECTION HARNESS MUST BE USED **** MACHINE IS NOT CALIFORNIA CARB EMISSION COMPLIANT **** **** REQUIRES 032852 OPTION FOR USE IN CALIFORNIA **** REMOTE MOUNT CONTROL PANEL CONNECTION HARNESS REV-6 TRUNK LINE ASSEMBLY ANA 200/300 HARNESS TO REMOTE CONTROL PANEL- 10' BATTERY BOOST CABLES 25' 2GA WITH QUICK CONNECT ENDS WELD CABLES X 25' 1/0 CABLE W/ ELECT HOLD & TWIST CONN WELD CABLES X 25' 1/0 CABLE W/ GND CLAMP & TWIST CONN	
PINTLE PL WELDMENT, 10-BOLT WITH 2 5/16" PINTLE/BALL COMBO (2) TOW HOOKS	
TRAFFIC ARROW (TD93DLXTARO) STAR BEACON (9200H-A)	
Quote Total: \$27,181.00	

Additional Options:	AMOUNT	ADD TO QUOTE Yes / No
DESCRIPTION		

Notes:

- ◆ Terms are Due Upon Receipt unless prior credit arrangements are made at the time of order.
- ◆ Please note if chassis is furnished, it is as a convenience and terms are Net Due on Receipt of Chassis.
- ◆ State and Federal taxes will be added where applicable.



QUOTATION
 Monroe Truck Equipment
 2400 Reo Drive
 Flint, MI 48507
 Phone: 810-853-6833
 Fax: 810-238-5009
 Email: jtackabury@monroetruck.com
www.monroetruck.com

Quote Number: 7JJT002428
 Job Order Number:
 Quote Date: 11/28/2014
 Quote valid until: 12/28/2014
 Terms: C.O.D.
 Salesperson: HAWKINS, JOSH
 Quoted By: Jamie Tackabury

Customer: CITY OF TRAVERSE CITY, (1003150)
 , MI

Contact:
 Phone: / Fax:
 Email:

Dealer Code: _____
 P.O. Number: _____
 Date: _____

Accepted by: _____
Customer must fill out the information above before the order can be processed.

Chassis Information

Year: 2015	Make: FORD	Model: F-350	Chassis Color:	Cab Type: REGULAR
Single/Dual: SRW	Cab-to-Axle: 56.0	Wheelbase: 137.0	F.O. Number #:	Vin:

Comments:

Monroe Truck Equipment, Inc. is pleased to offer the following quote for your review:

DESCRIPTION	AMOUNT
BRANDFX 600LS STANDARD SERVICE BODY SINGLE REAR WHEEL SPECS PER QUOTE# 82	#82
TRAILER RECEPTACLE	
WISE MOUNT PLATE LOCATION TBD	
AIR N ARC 250 - 25HP REMOTE 30GAL 12/24VBB 25HP FUEL INJECTED KOHLER 250 AMP DC CC/CV WELDER 5 KW GENERATOR 24 CFM RECIPROCATING COMPRESS 12/24V BATTERY BOOST/CHARGER 30 GAL. AIR STORAGE 12 GAL. FUEL STORAGE NO WELD OR BOOST CABLES REMOTE PANEL CONNECTION HARNESS MUST BE USED **** MACHINE IS NOT CALIFORNIA CARB EMISSION COMPLIANT **** **** REQUIRES 032852 OPTION FOR USE IN CALIFORNIA **** REMOTE MOUNT CONTROL PANEL CONNECTION HARNESS REV-6 TRUNK LINE ASSEMBLY ANA 200/300 HARNESS TO REMOTE CONTROL PANEL- 10' BATTERY BOOST CABLES 25' 2GA WITH QUICK CONNECT ENDS WELD CABLES X 25' 1/0 CABLE W/ ELECT HOLD & TWIST CONN WELD CABLES X 25' 1/0 CABLE W/ GND CLAMP & TWIST CONN	
PINTLE PL WELDMENT, 10-BOLT WITH 2 5/15" PINTLE/BALL COMBO (2) TOW HOOKS	
TRAFFIC ARROW (TD93DLXTARO) STAR BEACON (9200H-A)	
Quote Total: \$27,057.00	

Additional Options:	AMOUNT	ADD TO QUOTE
DESCRIPTION		Yes / No

Notes:

- ◆ Terms are Due Upon Receipt unless prior credit arrangements are made at the time of order.
- ◆ Please note if chassis is furnished, it is as a convenience and terms are Net Due on Receipt of Chassis.
- ◆ State and Federal taxes will be added where applicable.